

FIG. 1

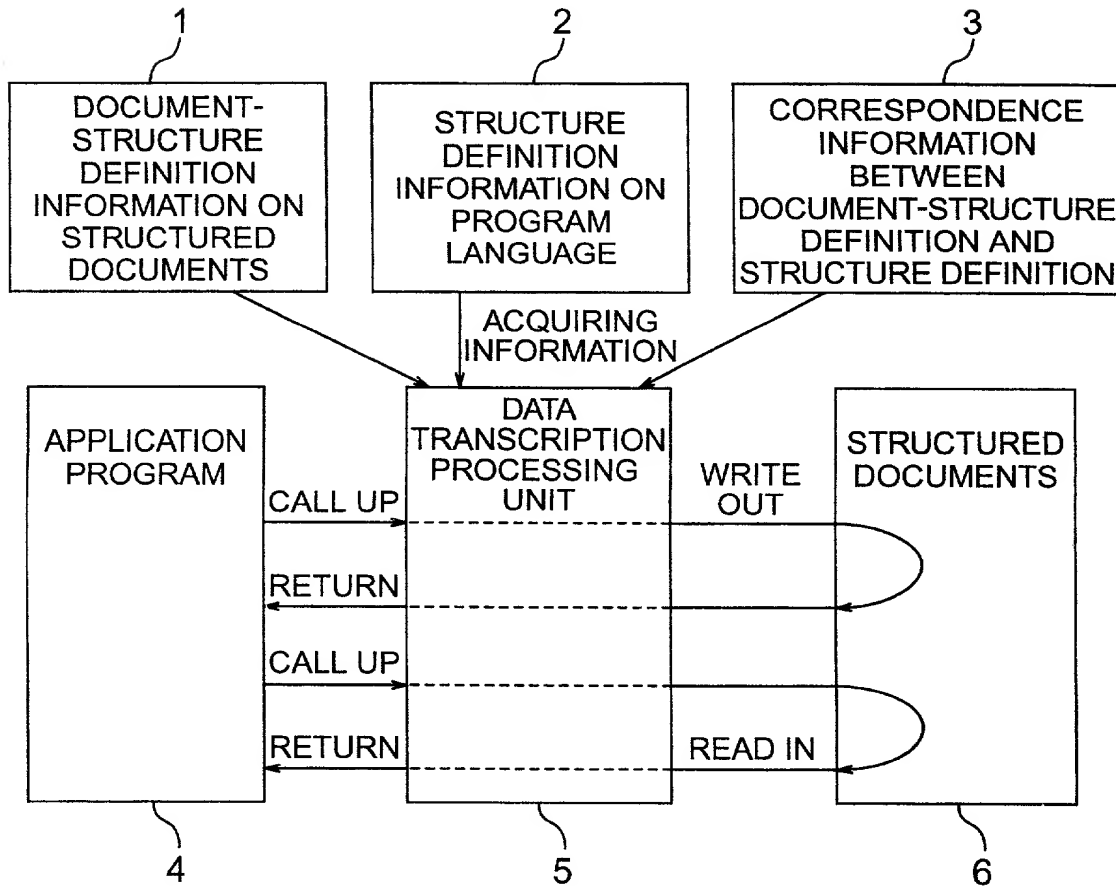


FIG. 2

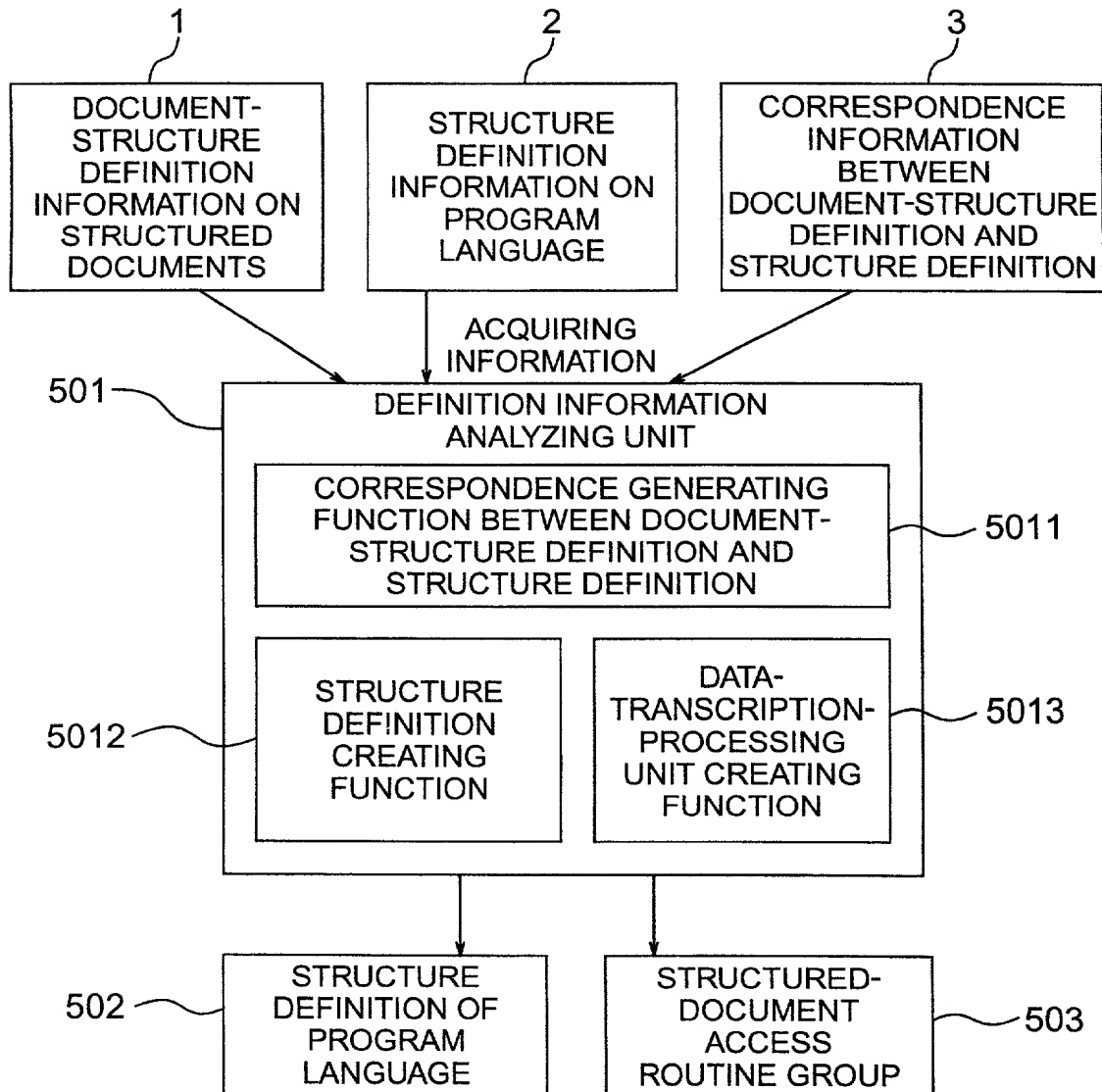


FIG. 3

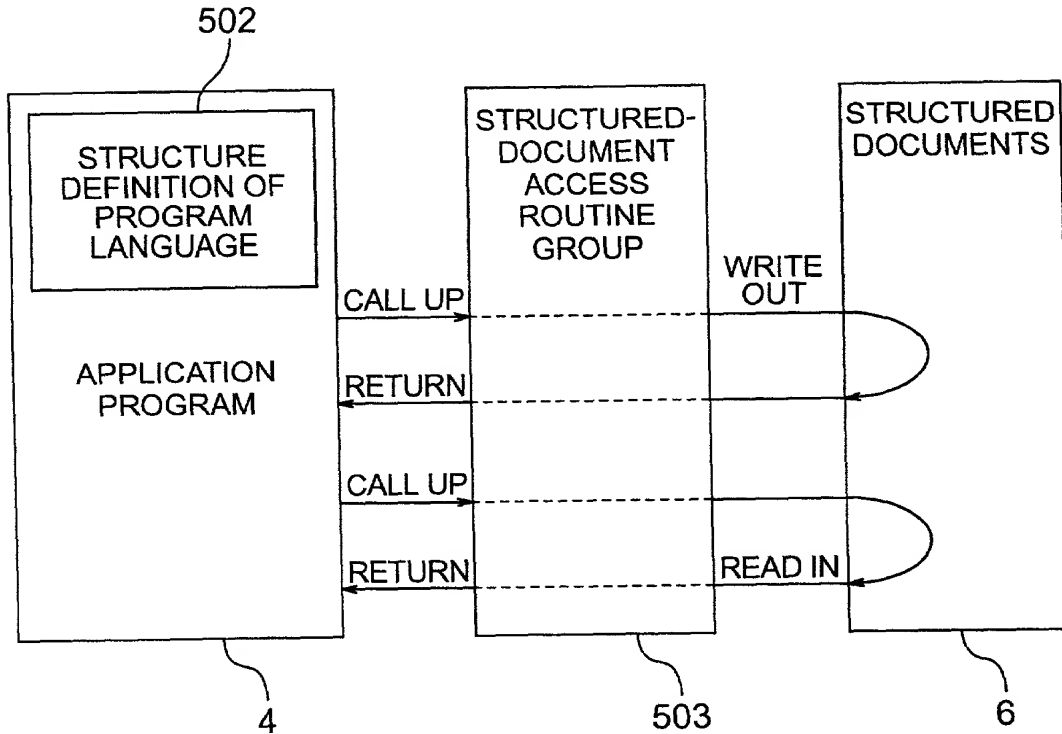


FIG. 4

```

<?xml version="1.0"?>
<!DOCTYPE order [
  <!ELEMENT order (address, item+)>
  <!ELEMENT address (#PCDATA)>
  <!ELEMENT item (itemname, price, quantity)>
  <!ELEMENT itemname (#PCDATA)>
  <!ELEMENT price (#PCDATA)>
  <!ELEMENT quantity (#PCDATA)>
]>
  
```

The diagram shows an XML document structure. The root element is 'order', which is defined by a DOCTYPE declaration. The 'order' element contains two child elements: 'address' and 'item+'. The 'address' element is of type '#PCDATA'. The 'item+' element is a complex type containing three child elements: 'itemname', 'price', and 'quantity', all of which are of type '#PCDATA'. The diagram uses labels 71, 72, and 73 to point to the 'order' element, the 'address' element, and the 'item' element respectively.

FIG. 5

```

<?xml version="1.0"?>
<!DOCTYPE order [
  <!ELEMENT order (address, item+)>
  <!ELEMENT address (#PCDATA)>
  <!ELEMENT item (itemname, price, quantity)>
    <!ELEMENT itemname (#PCDATA)>
    <!ELEMENT price (#PCDATA)>
    <!ELEMENT quantity (#PCDATA)>
]>
<order>
  <address> WWW PREFECTURE XX CITY YY WARD ZZZZ </ADDRESS>
  <item>
    <item name> MY BOOK </item name>
    <price> 1000 </price>
    <quantity> 2 </quantity>
  </item>
  <item>
    <item name> YOUR BOOK </item name>
    <price> 1500 </price>
    <quantity> 3 </quantity>
  </item>
</order>

```

Diagram illustrating the XML structure for FIG. 5. The structure is defined by a DTD and an example document.

DTD (Document Type Definition):

- 71**: `<!ELEMENT order (address, item+)>`
- 72**: `<!ELEMENT address (#PCDATA)>`
- 73**: `<!ELEMENT item (itemname, price, quantity)>`
- `<!ELEMENT itemname (#PCDATA)>`
- `<!ELEMENT price (#PCDATA)>`
- `<!ELEMENT quantity (#PCDATA)>`

Example XML Document:

- 710**: The root element `<order>`.
- 720**: The `<address>` element containing the text "WWW PREFECTURE XX CITY YY WARD ZZZZ".
- 731**: The first `<item>` element, containing:
 - `<item name>` element with text "MY BOOK".
 - `<price>` element with text "1000".
 - `<quantity>` element with text "2".
- 732**: The second `<item>` element, containing:
 - `<item name>` element with text "YOUR BOOK".
 - `<price>` element with text "1500".
 - `<quantity>` element with text "3".

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FIG. 6

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01 ORDER.
02 ADDRESS PIC X(20)
02 ITEM OCCURS 2.
03 ITEMNAME PIC X(15).
03 PRICE PIC 9(9) COMP.
03 QUANTITY PIC 9(9) COMP.

FIG. 7

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DATA ITEM NAME			VALUE
ORDER	ADDRESS		WWW PREFECTURE XX CITY YY WARD ZZZZ
	ITEM (1)	ITEMNAME	MY BOOK
		PRICE	1000
		QUANTITY	2
	ITEM (2)	ITEMNAME	YOUR BOOK
		PRICE	1500
		QUANTITY	3

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FIG. 8

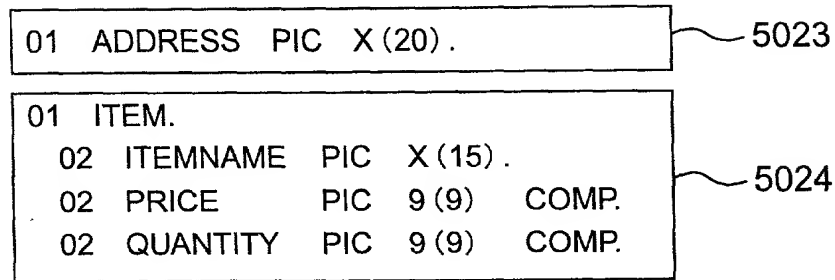
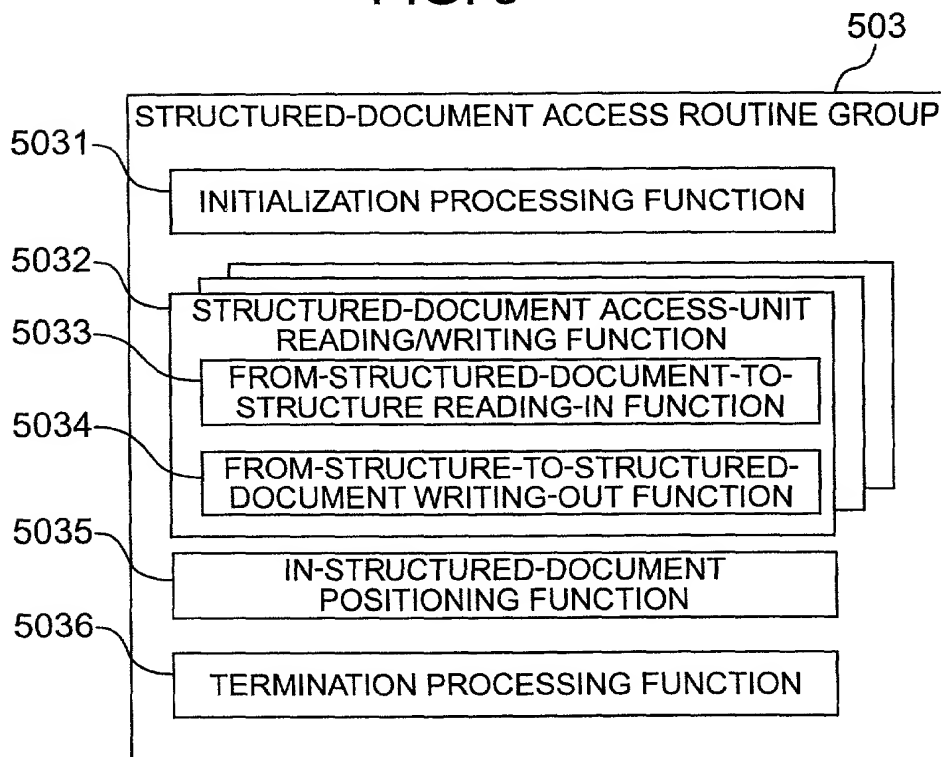


FIG. 9



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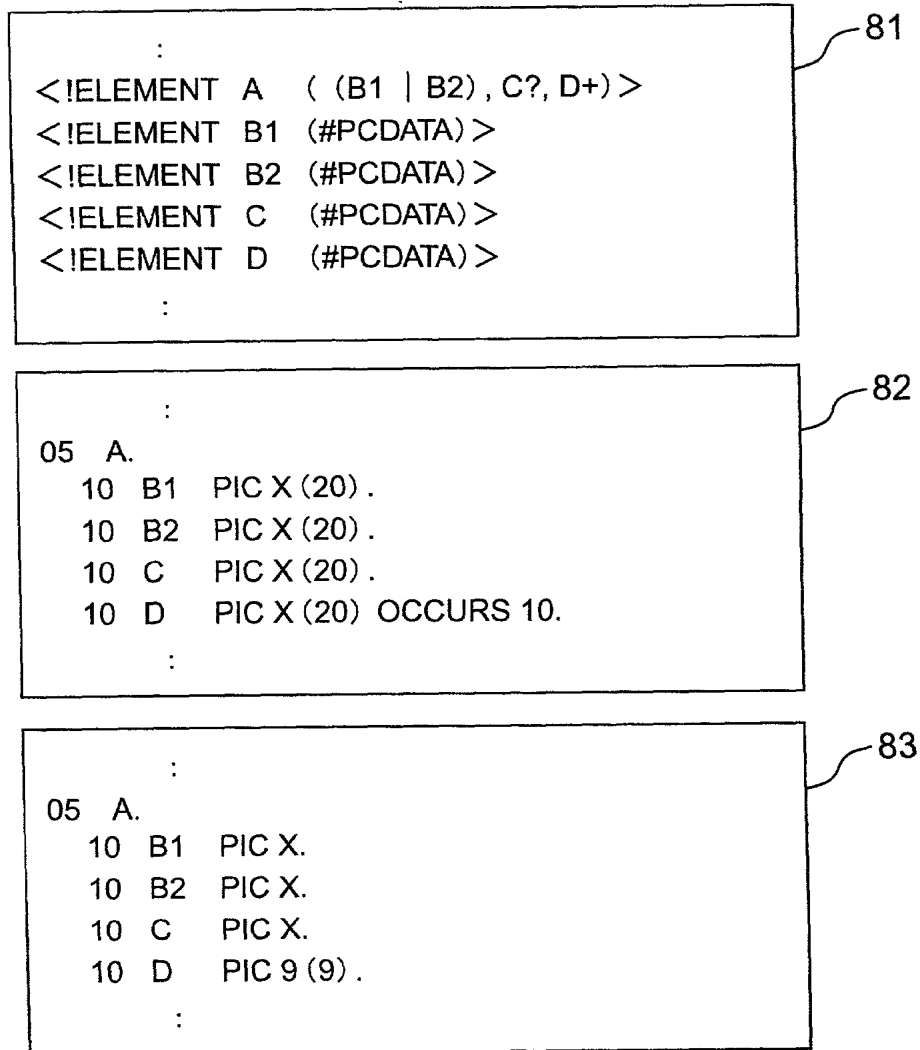
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FIG. 10



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FIG. 11

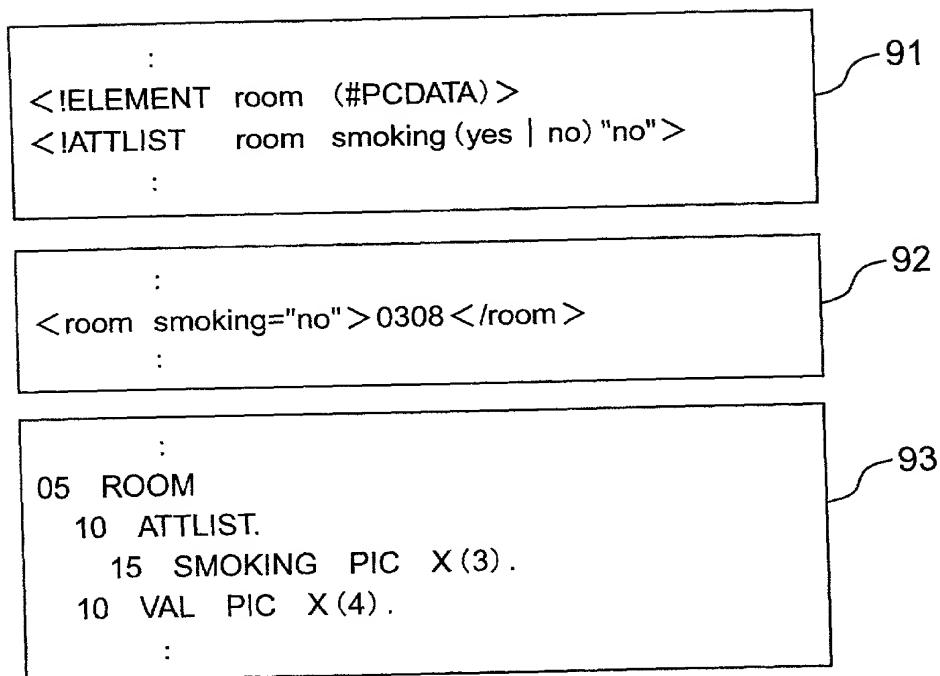


FIG. 12

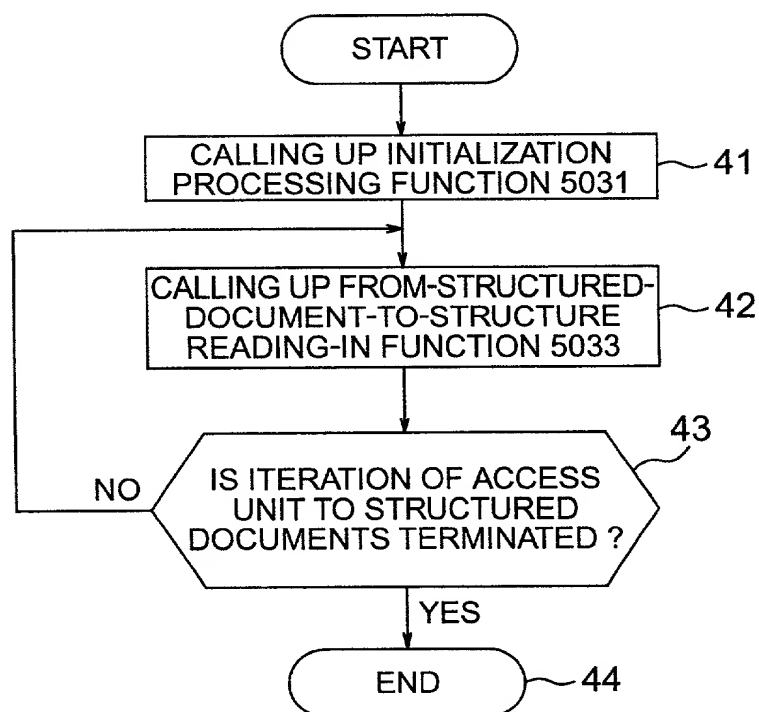


FIG. 13

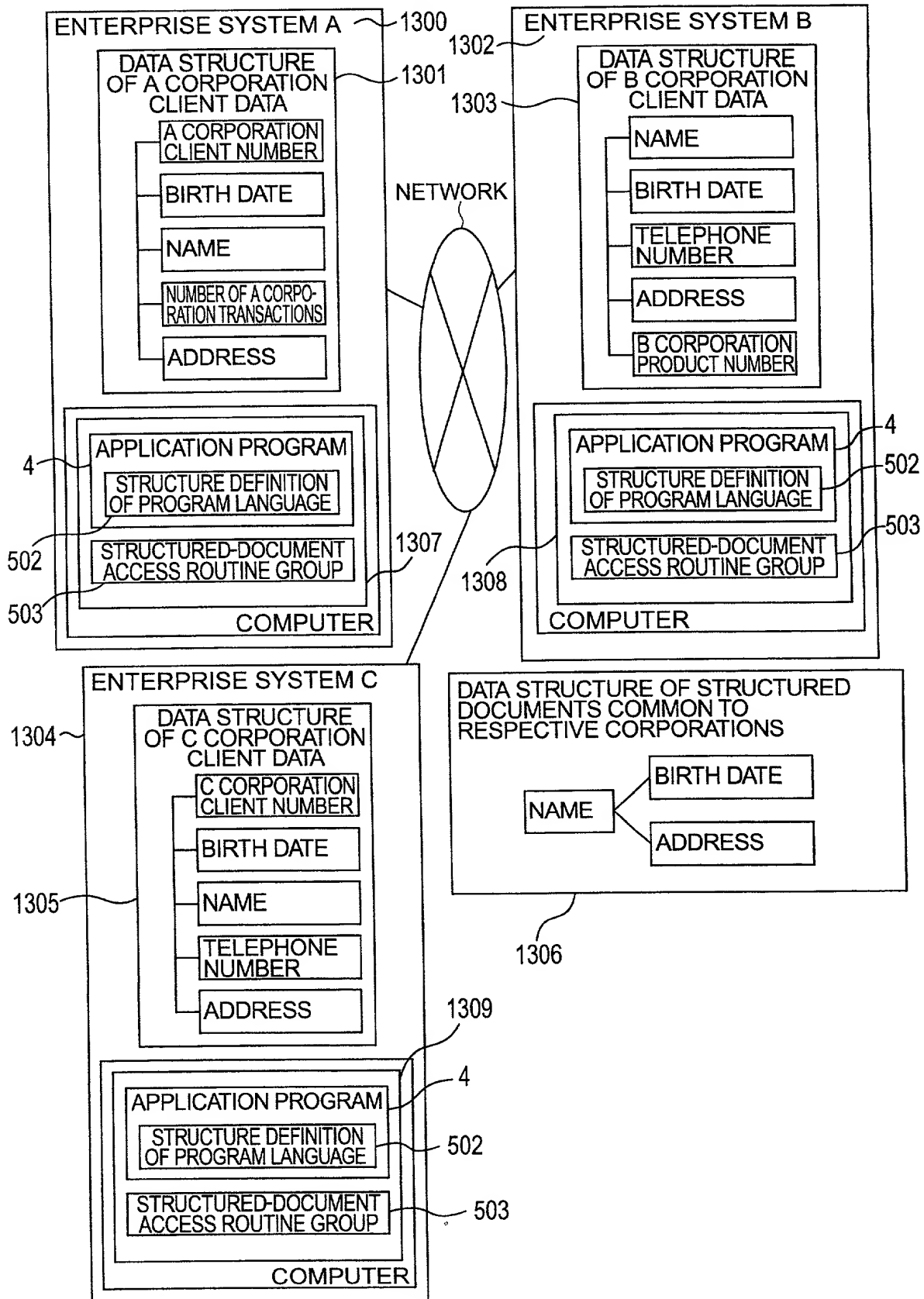


FIG. 14

